

Section I (Amendments to the Claims)

Please amend claim 1 as set out in the following listing of the claims of the application.

1. (Currently amended) A transgenic rat, whose genome comprises at least one copy of a transgene encoding at least a portion of a CD4 protein sufficient for binding to gp120, operably linked to a PBMC-specific promoter sufficient for expression of the at least a portion of the CD4 protein, wherein CD4 encoded by the transgene is expressed on PBMCs of the transgenic rat and wherein the expressed CD4 is capable of binding gp120 and wherein the rat develops active HIV infection after exposure to HIV, with expression of antibodies or viral antigen in sera thereof.
2. (Cancelled)
3. (Previously presented) The transgenic rat of claim 1, wherein CD4 is human CD4.
4. (Original) The transgenic rat of claim 3, wherein the human CD4 is a full length CD4 protein.
5. (Cancelled)
6. (Original) A cell from the transgenic rat of claim 3.
7. (Original) A cell from the transgenic rat of claim 4.
8. (Original) The cell of claim 6, which is a germ cell.
9. (Original) The cell of claim 8, which is a somatic cell.
10. (Original) The cell of claim 6, which is an egg.
- 11-21. (Cancelled)